

THE A.P.R.O. BULLETIN

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TUCSON, ARIZONA — SEPTEMBER, 1960

UAO REPAIR IN MIDAIR OBSERVED

New Sighting By Priest In Australia

Peter Norris, our Australian representative, has forwarded the details of a sighting made by Reverend and Mrs. Lionel Browning at Cressy, Launceston, Australia on 4 October 1960. The facts:

Residents of Cressy reported a mysterious, frightening explosion on the evening of 4 October. At 6:10 that evening, Reverend Lionel Browning, an Anglican minister, and his wife, were standing looking east through the rectory window at a rainbow. Mrs. Browning spotted a grey, cigar-shaped object with a dull surface, which came down through the cloud cover, heading north at about 400 feet off the ground. There were four vertical bands along the side of the object, and at the bow end of the ship there was a rod jutting out with what appeared to be a small propeller or other device at the end of it.

The wind was making quite a bit of noise, and no other noise was heard. The speed was estimated at less than 50 miles per hour. It traveled a straight path toward Western Junction. After about a minute of steady movement, the ship stopped in mid-air, hovering above the Panshanger Estate, about 3 miles distant. Browning and his wife watched the object for about 30 seconds, then out of the clouds above and behind the ship, five or six small disc-shaped objects appeared, traveling very fast. Their movement was compared to "flat stones skipping along the water."

The small objects stationed themselves beside the larger ship within about a half-mile radius. Mr. Browning judged the smaller objects to be about 30 feet in diameter, and said they were light grey in color but bore no other distinguishing feature. "After several seconds," the Reverend said, "the large object, accompanied by the smaller objects, reversed the way they came." He further said that the large ship did not maneuver to return into the cloud because the rod end was the last part of the ship to enter the rain cloud. It returned to the cloud faster than the speed at which it had emerged, and it

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Patrolmen Chase UAO Two Hours

At 11:50 p. m. on the night of 13 August 1960, Highway Patrolmen Stanley Scott and Charles Carson of Red Bluff, California, were in pursuit of a speeding motorcycle on Hoag Road when they spotted a strange object about 15 degrees elevation in the east. For the ensuing two hours and 15 minutes, Carson and Scott pursued the object. The detailed story is one of the most interesting we have ever encountered.

Witnesses included Carson, Scott, Deputy Sheriff Clarence Fry, four prisoners at the Red Bluff lock-up who were marched outside the jail with Fry to watch the thing. When the incident was eventually published, other people in the immediate area reported their observations of the object also. Inasmuch as the policemen had the opportunity to watch it for a longer period of time and get a better look than most, we will deal primarily with their testimony.

The incident hit the Regional AP and UPI press wires but did not receive large play except in California. After the initial story, there was no followup in papers outside the state. This is in itself quite interesting.

The object, as described by the lawmen, was football-shaped, with a pale yellow glow, several white horizontal lights along the length, approximately in the center, a red glowing light at one end and a red flashing light at the other. The observers estimated that the object was about 100 to 200 feet off the ground, and at the closest point about a mile from them. At first they assumed it was an aircraft but when it suddenly ascended rapidly to an altitude of about 500 feet they realized they were watching something quite extraordinary.

On the 17th of August, after a pile of clippings had arrived, the Director called Patrolman Scott at his office. After identifying herself and the purpose of APRO, she questioned Scott about two things: whether or not he had been interviewed by Air Force officials, and if he would cooperate in completing a specially prepared UFO report form for

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By B. V. Wilson

Mr. Ray Hawks, who lives at 2430 29th Street, Boulder, Colorado, works for the Nathan Allen Trucking Company offices at the same address. On Aug. 11 1960, he was working with a farm tractor with a shovel loader attachment, in secluded Left Hand canyon, two miles south of Buckingham Park, approximately seven miles north and two miles west of Boulder. The time was 3:10 p. m.

Suddenly Hawks heard a sort of muffled detonation in the sky above him. He looked up, and shortly afterwards a disc-shaped object dropped vertically downwards out of a cloud, until it stopped in midair about 650 feet away from him and about 200 feet above the ground. It wobbled a bit as it stopped as if stabilizing itself (Hawks' own words), which he further described as like a silver dollar dropped on a table will wobble until it comes to rest, then all motion ceased.

The machine was like two concave discs joined together, and was about one fifth as deep as it was in diameter, that is to say at its thickest place. It was a sort of dull aluminum in color, with its surface rather like velvet (i. e., mat instead of glossy). Around its perimeter, and a little inside from the edge, were a series of shiny metal plates, with a small gap in between each, which could be seen on the under surface, as it descended, and on the upper one, as it came to rest in the air. One of these plates was giving off a very bright royal blue (Hawks' words) smoke, which sort of oozed out around it. Hawks also became aware of a sort of intermittent hum, like an electric motor out of phase and perhaps idling, which emanated from inside the disc.

Then an extraordinary thing happened: Suddenly he saw the plate which had been oozing smoke being tilted from within, until one end was withdrawn inside, and then the whole plate was taken inside, "just as you might tilt the windshield of an automobile (Hawks' own words again) prior to withdrawing it inside the car." Then an elongated hole could be seen in place of the plate.

Next Hawks saw what was apparently

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New Mexico Visited By UAOs

To our consternation and chagrin, Alamogordo was one of three cities over which an unconventional aerial object zoomed on the morning of 26 September. The Lorenzens were unable to personally investigate because of Mr. Lorenzen's work commitment. However, the "old guard" at Alamogordo, including Mr. Wm. M. and Joanne Fobes plus Bill Cook of the Alamogordo Daily News, gathered up the vital information and sent it along.

Several residents in Las Cruces, Alamogordo, as well as White Sands Proving Grounds and Holloman Air Force Base (9 miles west of Alamogordo) personnel observed the speedy passage of an object at 3 a. m. which all described as a glowing green disc-shaped object trailing an exhaust, and traveling from north to west.

The UFO officer at Holloman at first tentatively identified the object as a meteor, saying that there is increased meteor activity at this time of the year. The description and path of the object seen at 3 a. m. on the 26th take the ob-

ject completely out of the meteor category. The disc-shaped object was not the characteristic white, it made a turn, and sported three exhaust trails. Several witnesses were police officers in Alamogordo and Las Cruces; they testified that it seemed to be a great distance away, but they saw it make a turn before it disappeared from sight.

Any listing of major meteoric showers does not include the September date. The closest to that period is the Perseid shower (NE) between August 10 and 13, and the Draconid shower (in the East) from 8-10 October.

What seems to be far more interesting, in conjunction with this sighting, is the sighting of a similar object (disc-shaped and glowing) by police officers in Las Cruces about an hour prior to the sighting at Alamogordo.

Officers Ben Rios and Frank Alexander were patrolling at 2:58 a. m. in north Las Cruces when they spotted the bright green disc with three exhaust spouts putting out three green and white colored exhausts. They observed it as it made a turn and disappeared.

One hour before the sighting observed at White Sands, Holloman, Alamogordo and Las Cruces, two other Las Cruces policemen followed an object which appeared to land on west mesa, west of the city. It was described as a bright ball of white light. They estimated they got within a couple of hundred feet of the thing, whereupon it took off with a blinding flash at great speed, and disappeared. An AF early warning radar station is located northwest of Las Cruces.

U. S. Sightings

Because of the large number of sightings received, again we have picked the best and present them here. So far, we have learned that the sightings of 1960's Summer Flap follows the same general pattern of Fall 1957, with many close-up sightings being made in specific areas, most of which are of military importance.

1 August 1960, Los Angeles, Calif. Strange, maneuvering lights of bluish-white and red-and-green combinations were seen over this area. No explanation offered to date which accounts for all of characteristics observed.

13 August 1960, Plumas County, Calif. Formations of red and white glowing disc-shaped objects seen by deputy sheriff, private citizens. Described as "dipping, diving and moving at simply unbelievable speed" during evening hours.

18 August, 1960, Redlands City, Calif. Disc-shaped object with red lights along side with white light at each extremity

observed by Mrs. Corinne Bay and her husband and Mr. and Mrs. Veryl Bay at 1:45 a. m. One red light flashed "like the red light on police cars." Steady, deep roar accompanied by hum heard as object moved east across Redlands.

12 September 1960, Los Angeles, Calif. Unexplained "giant sparkler" observed trailing orange tail during six-second flight from south to north at "about speed of jet plane."

13 September 1960, Albuquerque, N. M. Ex-Air Force pilots and wives watched small reddish object which resembled satellite performing strange maneuvers in sky, along general path of Echo.

15 September 1960, Colorado Springs, Colo. Members of classified installation tracking team observe "unexplainable" object resembling satellite performing unusual aerial feats in sky.

16 September 1960, Los Angeles, Calif. Police Officer Don Anderson observed triangular-shaped object believed to be hovering about 300 feet over Douglas Aircraft plant in Santa Monica. Estimated to be 10 feet in diameter. See sighting of object of same configuration by Majorca astronomers, July Bulletin.

28 September 1960, Wichita Falls, Texas, Glowing object struck ground west of city at 4:25 a. m. Seen by many was bright white when it struck ground, then turned red. Search by AF yielded nothing.

It is with a sense of deep regret and personal loss that we acknowledge the passing of Io Snow, long-time APRO member and close friend, on 9 September 1960, at Providence Memorial Hospital in El Paso, Texas. A friend and defender of truth, Io is missed by many. With respect and reverence we dedicate this issue to a great soul.

IMPORTANT:

See details of Navy denial pertaining to Air Force "hoax" label on the IGY pictures, in the November issue of the Bulletin.

AF Says No File On Leefe Case

A curious development has arisen in connection with the Leefe, Wyoming case recounted in the July 1960 Bulletin. In our account we note that witnesses in this case claimed to have been interviewed by "government officials". Since publishing this account a query addressed to Col. Tacker has received the response that no such case exists in AF files.

UAO Repair In Midair Observed

(Continued from Page 1)

a new plate which was worked into place from within, and he distinctly heard it click into place at the end of the operation. Shortly after that, the intermittent hum increased in intensity, like an electric motor as it is speeded up, "until it increased a whole octave" (Hawks' words again) and attained a very high pitch indeed. At this stage the disc seemed to be surrounded by a sort of shimmering field around it (like heat haze from a hot pavement as Hawks called it).

Then suddenly the UAO took off vertically upwards, and the extraordinary thing was that it seemed to attain full speed instantaneously, without any apparent acceleration. It simply ascended vertically at an extremely high rate of speed until it disappeared from view. By this time the cloud had gone.

When Mr. Hawks first sighted the UAO, he was working the shovel loader on his tractor. As the disc came closer, his engine cut off and at first he thought this was because he had continued the lifting operation after it was already fully elevated, which will sometimes kill the engine. He reached down to re-start the engine, but his starter was dead. It would not activate at all; his engine would not start. I asked him if he felt in the least scared. He replied, "No, the curious thing was that I felt an extraordinary sense of peace and contentment. I sat perfectly still on my tractor seat, and I did not seem to have the slightest desire to get down and close the flying object or to do anything at all."

Mr. Hawks estimated the UAO remained stationery while the damaged plate was removed for about fifteen minutes. Personally, I think that because of his strange sense of tranquility, his sense of time might have been disrupted temporarily. Therefore, it might have been less than fifteen minutes, or it might have been even longer than this. He further said, after the UAO had disappeared from view in the sky, he seemed to come out of his sense of contentment which involved doing nothing at all, and he reached down to start his engine once more. It started right up immediately.

Subsequently a NICAP man flew in from Washington to interview him. They drove out to the place where he had made the sighting together. From Mr. Hawks' description, they figured out that the flying disc must have been about 650 feet away and 200 feet above the ground, as it became stationary in the air. They also estimated the disc must have been at least 100 feet in

diameter and about 20 feet thick in the middle.

Mr. Hawks also told me that on another occasion as he was driving out to work in the same place, he found an Air Force helicopter on the ground. A colonel and major got out and a captain stayed in. After talking to him for a while, the colonel asked him to put in the same newspaper that the flying saucer would reappear again on the 20th. Mr. Hawks replied: "You want me to appear crazy?" They said they wanted this done so that the public would not be panicked. Hawks very sensibly refused to do any such thing. He was given to understand they came from the Pentagon.

CONCLUSIONS:

Mr. Hawks impressed me as being a very intelligent observer and obviously was telling the exact truth. He was extremely sincere about it all. I believe him without the slightest hesitation.

He was possibly the first human being to actually observe a repair job on a UAO. The detonation he heard in the sky above could have been caused by the plate failure. The UAO had to come down for repairs, and possibly in order to effect them, and to change the damaged plate, it had to come down to lower altitude so this secluded canyon was selected for the job.

It seems also possible that some kind of ray may have been directed at him which gave him this strange sense of peace and contentment. Normally one would expect any human being to be a bit frightened at such an extraordinary sighting. One would think he would either want to leave the scene, or to get off and close the machine on foot. The fact that he did not have the slightest desire to do anything at all, and was not frightened at all, would seem to bear this out. Quite possibly the occupants of the UAO saw him there so thought he had better be immobilized during the repair operation. Certainly he was immobilized very effectively, but no attempt was made to injure him.

Mr. Hawks must have been fairly close or he could never have seen the plate tilted and pulled inside. Actually it might have been closer than 650 feet, because at that distance he could hardly have seen these details, unless the saucer was larger than he estimated, or closer than he estimated, or else the plate must have been quite large in size. He could see nothing inside the machine while the plate was removed prior to the change. Of course, in all saucer sightings, the estimated size of the UAO depends on how accurately the observer estimates the range. In this instance, I would deduce that it was either closer than he estimated, if it was really 100 feet in diameter, or he could hardly

have seen that plate being changed so clearly or else it must have been much larger than 100 feet in diameter, if it was really 650 feet away.

Mr. Hawks said that obviously the UAO must originate from some other planet because we have nothing on earth which can attain instant full speed, without any sign of acceleration, and any power on earth which possessed such a machine could rule the world, and certainly would not keep quiet about it.

It is to be noted that the disc did not rotate visibly at any time. It did not flutter as it came down as many flying discs do while in level flight. The intermittent hum was there, as has been so often reported, which hum increased in pitch as it took off, also as noted in other sightings. The shimmer effect around it as it took off might have been visible like a glow at night, because it was a heat haze.

On analyzing Mr. Hawks' statements further, I am impressed by several details which no one could be expected to fabricate, if he were inventing the story. They are:

The part about his tractor shovel-loader which sometimes kills the engine if the elevating operation is continued too long after it is all the way up. Then, the main feature about the damaged plate being withdrawn inside the disc and replaced, which is a happening which has never appeared in any other UAO reports I have ever read. I also do not think anyone would invent that story about the Air Force officers asking him to insert that phony statement in the same paper to the effect that the disc would appear again in the same place on the 20th. It all adds up to an accurate report and a true sighting, in my judgment.

EDITOR'S NOTE:

Two particular points in this sighting are a strangely coincidental parallel to another sighting which took place about 11 years ago, in the fall of 1949. The incident was reported to CSI, Los Angeles (a civilian research organization which folded in the winter of 1954), and was printed in the Winter, 1954, Volume 1, Number 4 issue, on page 9.

The physical description is the first point with which we will deal. Quote: "I would also guess it was between 300 and 400 feet in diameter. There appeared to be windows which seemed about twice as high as they were wide. These windows were evenly placed and were on the edge, where the under and over curved surfaces came together. The thickness, I would guess to be a minimum of 75 feet and a maximum of 100 feet." Unquote.

Whereas the Hawks object seems to (See UAO Repair—Page 4)

UAO Repair

(Continued from Page 3)

have had wider "windows" or plates, there is no appreciable difference in the general description. In the CSI case, these "plates" or windows emitted a blue-white light, much like the color of a welding light.

After describing his early fright when the object apparently dove at him, the witness in the CSI Los Angeles case, said: "Suddenly I had a feeling that I had nothing to fear . . ." He also described tremendous speed as the object left. Another description of his strange feeling: "I felt a desire growing in potency to join myself to the 'thing' . . ."

In a subsequent conversation with a scientist regarding his strange feeling, the observer was reassured . . . "he smiled and said that it had long been recognized that sudden and great exposure to Gamma rays had an effect such as I tried to describe. He urged me to tell all that I could."

APRO has on file another report which deals with the physical disabilities of an observer of a UAO at close range. Among the paper in this thick dossier is the medical diagnosis of a reputable and competent physician who diagnosed the symptoms as probably having been caused by X-Ray, Gamma or Cathode Ray radiation.

This sighting and this editorial comment is demonstrative of the correlations possible and necessary in UAO research. It further emphasizes our crying need of more personally investigated incidents. Unlike some of the other organizations of this type, we have not asked for donations. We DO repeatedly ask that each and every member do their utmost to get all the facts about any given UAO sighting. We believe Mr. Wilson has done a very thorough job of investigating and reporting and is to be commended for it.—The Editor.

Priest

(Continued from Page 1)

was gone from sight after 30 seconds.

Browning said he believed the large object was going towards Western Junction under cover of heavy rain, and "it appears the ship sailed on for some seconds unaware that it had shed its protection."

The Reverend reported the incident to Launceton Airport officials immediately afterward, but did not make the sighting public for a week because of its sensational nature. Two hours after the sightings, residents in the area experienced a tremendous explosion which shook house, the ground, and actually seemed comparable to an earthquake. It seemed to emanate from the location of the Panshanger estate.

Patrolman

(Continued from Page 1)

APRO. He said he had been questioned and would be glad to cooperate.

By the 25th of August, the completed UFO form had been returned along with a copy of Scott's initial report about the incident. At that time, the story was complete as follows:

After the sudden high speed climb, the object began "actually unbelievable" maneuvers: up and down, sideways. When it was motionless it rotated a slowly sweeping red beam of light. Scott estimated the speed was never over 400 mph.

Shortly after the object was first spotted, Scott and Carson sent out a radio alert, then turned on their flashing red car spotlight. Then the object's light began to swing, and the object began to "slide" across the sky. The patrolmen took up the pursuit, followed it for two hours, slowly losing it. Just before the object disappeared over the Eastern horizon, it was joined by a similar object which came in from the south. The second object moved near the first object and both stopped, remaining in that position for some time, occasionally emitting the red beam.

In his initial report, Scott recorded the fact that he had radioed the Tehama County Sheriff's Office requesting that they contact the local radar base. The radar base confirmed the UFO—as completely unidentified. Later, in news releases, Major Malden LeRoy, commander at the AF radar station in Red Bluff, said that he had picked up nothing on his scope, but that his equipment would not have picked up anything that close to the ground.

During the sighting, excessive radio static on the patrol car receiver was experienced, which increased when they neared the object. Two hours before the sighting, complete radio failure on Carson and Scott's and other frequencies were experienced, which lasted about 15 minutes.

On two occasions during the chase, the object came directly toward the patrol car and each time it approached the object turned and swept the area with the red light which at no time hit the car or the ground.

Other information germane to the sighting is the fact that the white lights occasionally brightened although neither of the patrolmen observed any correlation between the light color changes, maneuvers and the static. No sound was heard. The night was clear, temperature between 75 and 80 degrees Fahrenheit, the moon came up about 1:20 a. m. about 15 degrees south of the UFO as

the men watched the object on the Eastern horizon with the aid of binoculars.

Red Bluff is located in an area of rolling ranch land. In the area are located the Red Bluff radar station and Intercontinental Ballistics Missile (ICBM) pads (about 10 miles distant).

It appears that these men observed an unconventional aerial object of large size which was rendezvousing in the area with another. It also appears seen at Redlands earlier. It is also obvious that the verification of radar confirmation slipped out in the excitement for it was denied later.

"Atmospherics"— The Final Key

By L. J. Lorenzen

The staff of APRO has long entertained an apprehension which, it seems, is shared by officialdom. We have noted that UAO activity in the main has consisted of reconnaissance activities and/or surreptitious experiments and data collection. This would indicate that UAO's are at worst hostile, at best non-friendly. Yet one confusing factor prevented the conscientious drawing of a firm conclusion. This was the existence of a type of UFO which behaved as though without mass—although it produced a radar return — and demonstrated the ability to behave intelligently and appear and disappear with disconcerting abruptness. Classic examples of what I mean are the blips which led our Air Force a merry chase over Washington, D. C. in July and August of 1952, and the eight-inch diameter light which Lt. George Gorman pursued at Fargo, South Dakota on October 1, 1948.

I will not attempt to enumerate the other well-authenticated cases on record. There are too many. This particular type, is, however, largely ignored by researchers for it does not seem to fall within the confines of physical reality.

Early in September 1960 a solution was inadvertently suggested by the Armour Research Foundation of Chicago.

In a proposal to the Air Force, they suggested the feasibility of producing man-made "fire balls" high in the sky for night illumination or anti-missile purposes. The "fireball" discussed would actually be a "confined plasma," or mass of highly charged particles. (An example would be the lightning ball found in nature).

It would be confined through the convergence of high-powered radar beams creating a "potential well" at their intersection. This fireball would be expected to move with an acceleration dependent on beam power, frequency, and am-

(See Atmospheric—Page 7)

Orthoteny In Brazil

PART II

By Dr. Olavo Fontes

FAR TO THE NORTH: FLYING DISCS AND OTHER UAOS

The town of Acarau is located at the extreme north of Ceara State. At 7:00 p. m., a strange green luminous sphere was observed in the northern sky. It approached at slow speed, hovered above the sea in front of the town for about 30 seconds, then moved away to the Southeast (Rio de Janeiro O GLOBO, May 17). Half an hour later, at exactly 7:30 p. m., a strange red glowing object approached the town from the west. As it came closer, it looked like a bright point of light (starlike), at the center, enveloped in a kind of opaque halo. It passed over the sea, in front of the town, then stopped abruptly in mid-air. After remaining perfectly motionless for about 60 seconds, the object moved away to the east and disappeared (Fortaleza O POVO, May 14). The sighting was witnessed by hundreds of observers from the town and surrounding areas.

If the coast of Ceara State is followed toward the southeast, a straight line starting at Acarau will pass exactly over the small town of Paracuru, ending in the suburbs of the State capital, Fortaleza. The events in the area of Paracuru were interesting for several reasons, but mostly because the UAOS involved were flying discs.

At 6:30 p. m., a farmer named Pedro Alves dos Santos was driving a herd of donkeys toward Paracuru along a dark road, with another member of his family. There was a starlit sky with no clouds. They were close to a small village called Taboleiro de Nazare, about 18 Km. to the west of Paracuru (not shown on maps), when their attention was attracted to a strange phenomenon. There was a huge round-shaped craft silently following their caravan. It was a grey object with a bright blue light on top, flying very low. No sound came from it. It was a frightening spectacle, that "thing" following the caravan along the deserted road. The strange hunter tracked the group for about 18 Km., always at the same distance, remaining in sight for about 20 minutes. Pedro reported the incident to the press: "I was traveling along the road, spotted that strange-looking 'airplane' with no wings, round in shape and appearing to be motionless in mid-air—watching us. At the end, it suddenly climbed up at tremendous speed and was gone," he said (Fortaleza GAZETA DE NOTICIAS, May 24; Salvador A TRADE, May 25).

Meanwhile, at that same moment, a fishing-boat with three people aboard was moving through the quiet sea, far from the coast. The sky was clear and

cloudless, anything moving across the sky should be spotted easily from a large distance. Suddenly the attention of the fishermen was called to the strange-looking dark object that was coming down on the boat, out of nowhere. It stopped at 300 feet above the boat and became motionless, emitting a strong blue glow which illuminated the boat. There was no sound. It hovered over the frightened fishermen for about 3 minutes, then moved away toward Paracuru.

At exactly 7:00 p. m., more than one hundred excited citizens at Paracuru watched the appearance of a strange disc-shaped craft over the town. Flying about 600 feet above the ground, at low speed, the noiseless object maneuvered over the town's main part in several directions. Once it even stopped in mid-air close to the town's church—in a strange tilted position. It was oval-shaped, almost circular, about 60 feet in diameter, and showed a smooth, polished dark-grey surface. There was a strong bluish light on top of it. After maneuvering over the town for a long time, the disc-shaped object finally moved away at high speed and disappeared. (Fortaleza GAZETA DE NOTICIAS, May 24; Rio de Janeiro A NOTICIA, O JORNAL, ULTIMA HORA, O GLOBO, etc., May 25; Sao Paulo FOLHA DE SAO PAULO, ULTIMA HORA, etc., May 25). This sighting caused fear, panic and hysteria among the residents of Paracuru and the surrounding area.

Others panicked when informed about the UAO's re-appearance around that town about nine hours later—and about the landing that took place on a nearby beach at 4:00 a. m. on May 14.

At that early hour a fisherman, Raimundo Ursulino dos Santos, was leaving his residence to go to town about 8 Km. away. He spotted two disc-shaped objects landed on a sandy hill of a nearby beach. The strange machines were aluminum in color, and as he approached the beach, Raimundo sighted TWO BEINGS OF HUMAN APPEARANCE outside the airships, talking with each other. They were SMALL and VERY PALLID. One of them was dressed in a blue suit and there was a kind of translucent glass-like helmet on their heads. Then one of them saw Raimundo who had stopped, not believing what he was seeing. The being called him with gestures. The fisherman was too frightened to obey. He turned back and ran away as rapidly as possible, yelling for help. When he came back with other men, they found only the marks on the sand at the places the two discs had landed (Fortaleza GAZETA DE NOTICIAS, May 24; Salvador A TARDE, May 25).

At 7:45 p. m. (May 13), while a fly-

ing disc was exploring the area of Paracuru, another one was hovering quietly over the outer limits of Fortaleza. It was spotted by a military jet plane from the Fortaleza AF Base. The pilot, Captain Frota, tried to intercept the UAO, but the "unknown" moved away in an evasive maneuver, at supersonic speed, and was gone in just a few seconds. The incident was kept secret by the authorities. It was not reported by the press. I obtained the information from a confidential source.

At 8:00 p. m., a disc-shaped luminous object crossed the skies over Mombaca, Ceara. It appeared in the northern sky and was traveling from west to east. It seemed to be relatively small in size and was encircled by an eerie greenish glow. The phenomenon was watched by a large number of persons, including responsible citizens—Dr. Antonio Sisnando, Militao de Souza, Eduardo Evangelista, and many others. (Fortaleza CORREIO DO CEARA, May 16).

Far To The South

There is a town called Petrolina at the extreme south of Pernambuco State, located at the northern margin of the Sao Francisco river, which marks, at that point, the frontier between the States of Pernambuco and Bahia. At the other side of the river and to the south of Petrolina, there is another town—Juazeiro—in Bahia territory. There is a very good UAO investigator living in the area; the Mayor of Petrolina, engineer Luiz Augusto Fernandez. Let's see his report about the events on the night of May 13.

"At 7:00 p. m., a strange luminous object was sighted in the skies of Petrolina by dozens of witnesses. Gliding silently through the sky, the UAO came from the NORTH (or northwest) and was first seen about 10 degrees above the horizon. It was moving toward the northeast, at slow speed. It looked like a bright star encircled by a whitish mist (or cloud), which was almost circular in shape—having several other luminous points around it, not so bright. As that luminous mist approached the town it increased gradually in size, to become larger than the full moon. Then, when it was about 45 degrees to the northeast, it suddenly stopped in mid-air. The nebulous envelope vanished—remaining only the luminous points, which also began to lose their luminosity and finally disappeared into the darkness. The starlike nucleus remained in sight for a few minutes more, then was gone, just like a light was turned out. The phenomenon lasted for 12 minutes. The sky was clear and cloudless, and the visibility was perfect. The glow around

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Orthoteny

(Continued from Page 5)

the UAO didn't make any reflection—and this, together with the lack of noise, caused a vivid impression on all the observers. Incidentally, this was the fourth time that the passage of mysterious objects over Petrolina had been observed this year." Unquote.

According to the investigation made by Mayor Fernandez, the same (or similar) UAO was sighted that night over Juazeiro; also over Oeiras, far to the northwest, in the State of Piaui; also over Bonfim, State of Bahia—far to the south. According to travelers arriving at Petrolina during the following few days, this last sighting was made at 6:35 p. m. The UAO was flying along a similar trajectory; from the north, toward the northeast.

The Petrolina observation was reported in the press (Recife DIARIO DE PERNAMBUCO, May 20). The same newspaper also carried reports about the sighting of similar objects, that same night over Salgueiro and Cabrobo, State of Pernambuco.

Incidentally, a straight line running from Petrolina toward the northeast will pass exactly over Cabrobo, Parelhas and Picui, State of Paraiba, and also over Macaiba, State of Rio Grande do Norte.

The Petrolina observation was very important. It was the only one reporting the presence of small luminous "points" around the larger object. They might be smaller craft flying around their huge "mother ship" — preparing to spread out in several different directions. They might be of the disc-shaped type reported from other areas. They were not seen around the cloudy objects sighted from other locations that night.

The Spider Web

That same night, a "ball of fire" was seen as it passed at high speed across the skies over Caninde and Marco, State of Ceara. A huge luminous sphere was observed over a farm around Morada Nova, also over Russas, moving at high speed. The State of Ceara was the obvious center of UAO activity that night. The fact was discussed by a Fortaleza newspaper, A POVO, of May 17, which published a review of 13 sightings, including the ones briefly mentioned above. They concluded: "Unfortunately it is impossible to establish the trajectory of the object because the reports received from towns distant from each other, like Crateus, Redencao, Quixera-

mobim and Iguatu, state that the sighting occurred at 7:00 p. m. On the other hand, at Quixada the time was 6:45 p. m., at Acarau, 7:30 p. m., at Campos Sales, 6:30 p. m.—and 8:00 p. m. at Mombaca. Besides, not even the chronological sequence of sightings could be used without danger of mistakes—for the directions or trajectories along which the object was flying do not coincide. The object was traveling either from north to south, either from east to west, or from west to east, according to the location considered—and this forced us to conclude it was making zigzags across the Ceara territory." Unquote.

It seems evident to us that those newspapermen had never heard about a book entitled "Flying Saucers and the Straight-Line Mystery," by a French author named Aime Michel.

Aime Michel's Orthoteny

To Aime Michel, the students of UAO science must credit the discovery of orthoteny, a term suggested by the discoverer himself to mean "stretched in a straight line." Michel found that the places from which UAO sightings were reported for a given day, when plotted on a map of France, showed a very definite tendency to lie along straight lines. When sightings for a given day were unusually numerous, a network of such alignments could be discerned. Michel also observed that those alignments tended to cross at common points of intersection, called "stars," where three or more lines crossed each other (crossing of two lines was not considered a "star"); that those alignments — or arrangements of observations on a straight line—tended also to meet and end at terminal points, called "apexes," where two or more lines met and ended. Michel believes that each network for a given day has a principal nexus point where many lines crossed, and that the phenomenon reported at these principal nexus points is uniformly a big cloudy flying cigar (or cigar-shaped UAO); and, conversely, wherever the big cigar is observed standing still in a vertical position, that point will invariably prove to be the principal star of the day's network. But his more interesting discovery was the fact that the straight lines plotted on the map do not necessarily correspond to the uninterrupted trajectory of a single object: observations along a line are not as a rule arranged in chronological order (where they are the distances involved are usually short ones). Besides, the reported directions of movement almost always correspond with an orthotenic line passing through that point, from which the UAO's trajectory had been observed; for objects observed in the air, if the witnesses on

the ground are not directly on the orthotenic line, they always locate the object seen in the direction of that line; for objects on the ground, they constitute the best aligned observations. Michel concluded that this phenomenon of straight line alignments is ephemeral, seldom lasting for more than 24 hours—the "change-over point" apparently coming in the later hours of the night.

The unusual number of Brazilian UAO sightings on May 13, 1960, concentrated in the Northeast, suggested a good opportunity to test the orthotenic theory. I decided to plot on the map the locations of 27 sightings reported in the press for that day (listed above), and to study the observations from the orthotenic point of view. In the absence of a gnomonic map of Brazil, I had to content myself, for the time being, with the nearest available approximation to represent the great circle lines of the earth's surface as straight lines. A map of Brazil, scale 1:5,000,000, of the Brazilian Institute of Geography and Statistics, on policonical projection, was used. The distortions involved, either of angles or distances or surfaces, are not too great so that the accuracy of lines drawn on this map was considered as more than sufficient for our purposes. Of course, to make a scientific study of the UAO phenomenon over larger distances, on a continental scale, the true gnomonic projection would have to be resorted to. But for an area not larger than the northeastern region of my country this is not necessary.

Brazilian Orthoteny

In my preliminary study, only the cases reported in the Brazilian press were plotted on the map; the Fortaleza sighting was the only exception. Four observations were excluded because they corresponded to very small villages (Acarape, Guaiuba, Marco and Barreira) not found on the map, all of them in the State of Ceara. The results of this study are shown in Map 1: there are 31 three-point alignments, four of four points, and one of five; they form a geometrical pattern similar to the ones found by Aime Michel. (See Map 1 in July issue).

It is evident that this network of alignments confirms beyond any doubt the pattern found in the French observations of 1954. Of course, some of them might be accidental, but mere chance can never explain the geometric arrangement of the whole network. In fact, according to the studies of Alexander D. Mebane (from the Research Division, CSI of New York), pseudo-orthotenic patterns never show this orderly arrangement; they invariably have a jagged and irregular appearance.

(See Orthoteny—Page 7)

Members—please renew memberships and thus save headquarters the time and expense of issuing reminders.

Orthoteny

(Continued from Page 6)

There can be no doubt: the pattern shown on Map 1 is distinctly different from anything that chance could produce.

It is not necessary to discuss in detail the alignments and geometric figures drawn on the map. The reader can do it for himself on the basis of the data reported about each sighting included. Yet, it seems evident to any one that the network established by those alignments appears to be somewhat incomplete. In fact, there are possible alignments (broken lines) which, if proved to be real, would make a much more perfect and regular network. These particular alignments are extremely important because—if the orthotenic theory is true—they can be predicted with absolute accuracy, even in the absence of the observations necessary to establish their reality. Why? For the following reason:

1. Generally speaking, they correspond to the reported direction of movement of certain UAOs. Therefore, according to the orthotenic theory, they should correspond to real alignments passing over the places involved. If the theory is true . . .

2. The first broken line, for instance, corresponds to the trajectory of the greenish-luminous "sphere" that approached Acarau along a west-east trajectory, at 7:30 p. m. The second one refers to the UAO that came from the north, at 7:00 p. m., hovered above the sea in front of that same town for half a minute, then changed course and went away toward the southeast, along the straight line passing exactly over Rendencao and Russas, where UAOs were spotted too. If this three-point alignment is prolonged still more, to the southeast, it will penetrate in the State of Rio Grande do Norte and meet there, exactly over the town of Currais Novos, with another possible alignment passing over Iguatu. From this last location, at 7:00 p. m., a UAO was observed, flying horizontally in an absolutely straight line—from west to east. If a single carefully made observation is sufficient to establish the exact angular co-ordinates of an alignment—then the Iguatu observation must correspond to an orthotenic line running from west to east. A fourth possible alignment is suggested by the observation at Mombaca, where a flying disc was sighted at 8:00 p. m., traveling from west to the east; this straight line would pass also over Solonopolis, in the direction of Rio Grande do Norte—to intersect there, exactly over the town of Macaiba, with a fifty possible alignment coming from the southeast, from Petrolina and Ca-

brobo; as was said before, a UAO was seen over Petrolina at 7:00 p. m., coming from the north along the alignment Crateus, Petrolina, Juazeiro — then changed course toward the northeast, toward Cabrobo and Macaiba. Finally, if these last alignments are real, Macaiba would be an apex for the day's network; in such a case, a sixth possible alignment might exist to connect it with Russas and Caninde, where UAOs had been observed.

3. To conclude, if the possible alignments listed above were real, the day's network would be more complete from a geometrical point of view, spreading to the east to include the States of Rio Grande do Norte and Paraiba.

As a matter of fact, the scientific value of the predictions discussed above was established beyond any doubt. **ALL OF THE POSSIBLE ALIGNMENTS SUGGESTED WERE CONFIRMED LATER BY FACTUAL EVIDENCE.** The only exception was the west-east line ending at Acarau, not yet proved to be real. This represents a startling demonstration of Michel's orthotenic theory. It also establishes the fact that **we don't need three observations on a straight line to determine an alignment: IT IS SUFFICIENT TO HAVE THE EXACT ANGULAR CO-ORDINATES ON THE UAO'S TRAJECTORY.**

(In our next issue, Dr. Fontes discusses the meaning and purpose behind orthoteny and the keys to the riddle of the May 13 flap.)

Atmospheric

(Continued from Page 4)

bient density—at high altitudes acceleration to near relativistic speeds in a matter of seconds could be expected.

Fireballs produced in this manner would be luminous, could maneuver as though weightless, would appear and disappear at the switching on and off of an ionizing beam, could be accompanied by radio and electrical interference, and could appear as toroids or rings in certain cases.

Viewed against the background of known UAO activity, the plasma productions suggest themselves to be a confusion factor introduced deliberately by the UFO occupants—a diversion to detract attention from the realness of their threat. **Their hostility or non-friendliness is confirmed.**

The propagandizing of Air Force spokesmen, (on the subject of UFOs) adding to the diversion and confusion now appears as the giving of aid and comfort to the enemy.

Order your Special Reports NOW! We must have sufficient orders to warrant printing.

Also—renew memberships as they come due—Please!

Special Reports Ready

Two special reports have been prepared and are ready for the printer. No. 1 concerns the Keffel-Martins pictures taken at Barra da Tijuca, Rio De Janeiro, in May 1952. It will include pictures and will be produced on the same paper with the same type of print as the Bulletin. Because APRO does not have sufficient monetary funds to produce the report, we will await orders before giving the printer the go-ahead signal. We urge all members to order this report as well as Report No. 2, for they are important and cannot, in the foreseeable future, be included in the Bulletin.

Report No. 2 will be the documented, technical report on APRO's Physical Evidence. It will follow the same printing and paper format as Report No. 1 but will be considerably larger.

Special Report No. 1—Keffel-Martins photos, \$1.00.

Special Report No. 2—Physical Evidence, \$1.50.

UAO Over Colorado

20 September, 1960, Denver, Colorado. Object described as disc-shaped, or spherical, enclosing a square object with lights alternately flashing red, white and green lights was reported by FAA agents and many others in southwest Colorado. FAA employee at Eagle, using an inclinometer estimated object was 37 miles above earth. It appeared to hover for 30 minutes, then moved off to southwest. First seen at 9:35 MST. Among observers were two Frontier Air Lines pilots.

Adler Astronomer Sees UAO

Robert Johnson, Chief astronomer at Adler Planetarium, Chicago, was one of many observers who saw the object which appeared as another artificial earth satellite, on 26 August 1960. Johnson said the object was not explainable to him—as yet. APRO's latest communication from Johnson, as of 5 November, states it is still unidentified. Among many attempted explanations was the possibility that the object was another Russian satellite, and also the possibility, raised by Dr. Gerard Kuiper of the University of Chicago that Johnson had observed a plane's lights. Johnson retorted that he knew a plane when he saw one. APRO has received 30 confirmatory reports of this or at least a similar object on that same night. In some instances the object followed the same general path as that of Johnson's object, but exhibited rather unusual maneuvering.

Fig. 1 Orthoteny Series

ALIGNMENTS OF MAY 13, 1960, OVER THE NORTHEASTERN STATES, BRAZIL

33 observations, or groups of observations, orderly arranged into a complex network of 51 alignments covering the whole region.

3 ALIGNMENTS HAVE 5 SIGHTINGS EACH:

- (1). Fortaleza - Redencao - Quixada - Jucas - Petrolina = 715 Km.
- (2). Petrolina - Cabrobo - Parelhas - Picui - Macaiba = 735 Km.
- (3). Campos Sales - Mombaca - Quixeramobim - Choro - Redenacao = 365 Km.

10 ALIGNMENTS INCLUDE 4 SIGHTINGS EACH:

- (4). Sao Joao dos Patos - Jucas - Ico - Nova Cruz = 800 Km.
- (5). Bonfim - Cabrobo - Salgueiro - Cajazeiras = 445 Km.
- (6). Cabrobo - Farias Brito - Jucas - Mombaca = 265 Km.
- (7). Oeiras - Mombaca - Morada Nova - Russas = 515 Km.
- (8). Juazeiro - Mombaca - Caninde - Paracuru = 700 Km.
- (9). Acarau - Redencao - Russas - Currais Novos = 500 Km.
- (10). Petrolina - Farias Brito - Iguatu - Solonopolis = 450 Km.
- (11). Campos Sales - Farias Brito - Picui - Nova Cruz = 540 Km.
- (12). Oeiras - Carius - Ico - Macaiba = 800 Km.
- (13). Choro - Carius - Farias Brito - Bonfim = 755 Km.

THE REMAINING 38 ALIGNMENTS CONSIST OF 3 POINTS EACH, AS FOLLOWS:

- (14). Juazeiro - Petrolina - Acarau = 750 Km.
- (15). Oeiras - Quixeramobim - Quixada = 420 Km.
- (16). Juazeiro - Petrolina - Crateus = 490 Km.
- (17). Campos Sales - Cajazeiras - Crateus = 405 Km.
- (18). Cajazeiras - Quixada - Choro = 250 Km.
- (19). Oeiras - Farias Brito - Cajazeiras = 405 Km.
- (20). Crateus - Quixeramobim - Morada Nova = 270 Km.

- (21). Quixeramobim - Iguatu - Cabrobo = 325 Km.
- (22). Acarau - Quixeramobim - Ico = 455 Km.
- (23). Ico - Solonopolis - Caninde = 260 Km.
- (24). Acarau - Paracuru - Fortaleza = 195 Km.
- (25). Morada Nova - Redencao - Paracuru = 205 Km.
- (26). Crateus - Iguatu - Cedro = 250 Km.
- (27). Campos Sales - Solonopolis - Morada Nova = 315 Km.
- (28). Campos Sales - Jucas - Iguatu = 140 Km.
- (29). Farias Brito - Cedro - Ico = 95 Km.
- (30). Cajazeiras - Carius - Jucas = 130 Km.
- (31). Acarau - Jucas - Farias Brito = 410 Km.
- (32). Quixada - Iguatu - Bonfim = 580 Km.
- (33). Bonfim - Ico - Morada Nova = 580 Km.
- (34). Campos Sales - Choro - Redencao = 370 Km.
- (35). Cajazeiras - Solonopolis - Acarau = 490 Km.
- (36). Paracuru - Russas - Parelhas = 500 Km.
- (37). Sao Joao dos Patos - Crateus - Redencao = 655 Km.
- (38). Oeiras - Picui - Nova Cruz = 785 Km.
- (39). Oeiras - Cedro - Currais Novos = 650 Km.
- (40). Salgueiro - Parelhas - Picui = 350 Km.
- (41). Juazeiro - Picui - Macaiba = 700 Km.
- (42). Quixada - Morada Nova - Macaiba = 420 Km.
- (43). Caninde - Russas - Macaiba = 470 Km.
- (44). Crateus - Solonopolis - Picui = 500 Km.
- (45). Solonopolis - Currais Novos - Nova Cruz = 400 Km.
- (46). Quixada - Solonopolis - Cedro = 190 Km.
- (47). Fortaleza - Cedro - Cabrobo = 545 Km.
- (48). Oeiras - Caninde - Fortaleza = 530 Km.
- (49). Salgueiro - Carius - Mombaca = 275 Km.
- (50). Mombaca - Solonopolis - Macaiba = 420 Km.
- (51). Sao Joao dos Patos - Iguatu - Currais Novos = 790 Km.

Pentagon USAF Comments On Sightings

In a letter dated 14 November, Lawrence J. Tacker, Colonel, USAF, of the Public Information Division of the Office of Information, made the following information available to APRO concerning certain sightings:

"The Red Bluff, California sighting was probably due to the refraction of common objects. Weather data reveals that there were temperature inversions throughout the general area during the period of the sightings. While the actual object responsible for each sighting cannot be determined, it is highly probable that the UFO seen by the highway patrol officers was the planet Mars."

The readers should note certain qualifying words in the above paragraph, namely: "probably due", and "highly probable". The Colonel and ATIC and the Pentagon, for that matter, have merely admitted that they have been unable to identify the object as conventional. We could go into mathematical improbabilities of such an object being

the planet Mars, but do not feel that it merits space here. Tacker's answer to NICAP's query was more involved (and even more improbable, incidentally) and dealt with a possible identification of the UAO as a refraction of the stars Betelgeuse, Aldebran, and /or Mars. NICAP, of course, disagreed with the explanation as we also disagree. The Investigator also called attention to Tacker's spelling of the name Betelgeuse by inserting a parenthetical "correction" of the Colonel's spelling. He had spelled it "Betelgeux". Just for the record, both spellings are correct; Betelgeux being the French spelling and equally correct as that apparently preferred by NICAP. Actually it is a matter of individual choice and has no bearing on the identification of the object seen by the Red Bluff officers. APRO's conclusion: The object seen by Sgts. Scott and Carson was an unconventional aerial object, "quite probably" from outer space, at least not a product of current earth technology.

Give The A. P. R. O. Bulletin For Christmas

A. P. R. O. memberships are picking up at a great rate, and we feel that this increase is an indication of growing interest in objective, conservative reporting of facts. Subsequent issues of the Bulletin will contain progressively more important and interesting information.

Because of this growing interest, we feel an A. P. R. O. gift membership to "fringe" interest individuals known to present members will serve to strengthen our ranks even more. If you are at present in doubt about what to give friends and relatives for Christmas, send them a gift membership in A. P. R. O.

The staff would like to take this opportunity to wish each and every A. P. R. O. member a happy Yuletide season. January 1st, 1961 begins our 10th year of research, and we sincerely appreciate the patience shown by the membership regarding the disruption of our publication schedule. We can only assure all of you that progress is being made.